

**WEST** **Generate Collection**

L1: Entry 8 of 10

File: DWPI

Jan 30, 1986

DERWENT-ACC-NO: 1986-169587

DERWENT-WEEK: 198626

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TITLE: Pest attractant compsn. - comprising of dry mixt. of inorganic  
(bi)carbonate and acid which react in presence of water to release carbon  
di:oxide

INVENTOR: DRAKE, J B

PATENT-ASSIGNEE:

ASSIGNEE	CODE
AECI LTD	AFRI

PRIORITY-DATA: 1984ZA-0006079 (August 6, 1984), 1985ZA-0005940 (August 6, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ZA 8505940 A	January 30, 1986		011	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
ZA 8505940A	August 6, 1985	1985ZA-0005940	

INT-CL (IPC): A01N 0/00

ABSTRACTED-PUB-NO: ZA 8505940A

BASIC-ABSTRACT:

A pest attractant compsn. comprises a dry mixture of an inorganic carbonate or bicarbonate and an acid which is capable of reacting with the base in the presence of water to form carbon dioxide. Such a compsn. may also contain a pesticidally active cpd. the compsn. then being pesticidal. A method of attracting pests comprises providing carbon dioxide at or in the vicinity of the habitat of the pests.

ADVANTAGE - The compsb. is stable in sunlight, in the absence of moisture. It is of a special use in attracting hard and soft ticks and insects such as mosquitoes and tsetse flies. It may be used in combination with pyrethrins and synthetic pyrethroids. (Provisional Basic previously advised in week 8619)

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PEST ATTRACT COMPOSITION COMPRISE DRY MIXTURE INORGANIC BI CARBONATE ACID REACT PRESENCE WATER RELEASE CARBON DI OXIDE

ADDL-INDEXING-TERMS:

BI CARBONATE

DERWENT-CLASS: C03

CPI-CODES: C05-C04; C10-C02; C12-N03;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

H4 H401 H481 H8 J0 J013 J1 J173 M280 M313  
M321 M332 M344 M349 M381 M391 M416 M431 M620 M782  
M903 M910 P350

Chemical Indexing M2 \*02\*

Fragmentation Code

H4 H402 H482 H8 J0 J012 J1 J172 M280 M312  
M321 M332 M344 M349 M381 M391 M416 M431 M620 M782  
M903 M910 P350

Chemical Indexing M2 \*03\*

Fragmentation Code

A100 A111 A200 A220 A940 C101 C106 C108 C530 C730  
C801 C802 C803 C805 C807 M411 M431 M782 M903 P350

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0419U; 0540U ; 1151U ; 1278U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1986-072848

(FILE 'HOME' ENTERED AT 13:56:04 ON 08 NOV 2001)

FILE 'CAPLUS, BIOSIS' ENTERED AT 13:57:01 ON 08 NOV 2001

L\*\*\* DEL 0 S 1986:604770  
L\*\*\* DEL 1 S 1986:604770/AN  
D  
D IALL  
L\*\*\* DEL 2 S 1996:509921/AN  
D 1-  
D 2 IALL  
L\*\*\* DEL 0 S 1972:510556/CN  
L\*\*\* DEL 1 S 1972:510556/AN  
D  
D IALL

FILE 'REGISTRY' ENTERED AT 14:21:51 ON 08 NOV 2001

L\*\*\* DEL 4 S (LACTIC ACID OR GLYCOLIC ACID OR THIOLACTIC ACID OR TARTARIC  
A  
L7 5 SEA (LACTIC ACID OR GLYCOLIC ACID OR THIOLACTIC ACID OR  
TARTARIC ACID) /CN  
L\*\*\* DEL 14 S (ACETONE OR 2-BUTANONE OR 2-PENTANONE OR 2-HEXANONE OR  
2-HEPA  
L9 17 SEA (ACETONE OR 2-BUTANONE OR 2-PENTANONE OR 2-HEXANONE OR  
2-HEPTANONE OR 3-PENTANONE OR 3-HEXANONE OR 3-HEPTANONE OR  
4-HEPTANONE OR 5-NONANONE OR 3-METHYL-2-BUTANONE OR  
4-METHYL-2-  
PENTANONE OR 3-PENTEN-2-ONE OR 3-BUTEN-2-ONE OR  
3-HYDROXY-2-BUT  
ANONE OR 2,3-BUTANEDIONE OR 2,4-PENTANEDIONE) /CN  
L10 4 SEA (METHANOL OR ETHANOL OR 1-OCTEN-3-OL OR 1-HEPTEN-3-OL) /CN  
L11 4 SEA (METHYLENE CHLORIDE OR CHLOROFORM OR CARBON TETRACHLORIDE  
OR BROMOFORM) /CN  
L\*\*\* DEL 123147 S (ACETONITRILE OR BENZONITRILE OR PHENYLACETONITRILE)  
L13 3 SEA (ACETONITRILE OR BENZONITRILE OR PHENYLACETONITRILE) /CN  
L14 1 SEA DIETHYL ETHER/CN  
L15 4 SEA (P-CRESOL OR BENZONITRILE OR PHENOL OR TOLUENE) /CN  
L16 9 SEA (CARBON DISULFIDE OR DIMETHYL SULFIDE OR DIETHYL SULFIDE  
OR DIMETHYL DISULFIDE OR DIETHYL DISULFIDE OR METHYL PROPYL  
DISULFIDE OR ETHYL VINYL SULFIDE OR DIMETHYL SULFOXIDE OR  
DIMETHYL TRISULFIDE) /CN  
L17 1 SEA 2-METHYLFURAN/CN  
L18 4 SEA (ISOPRENE OR 1-HEPTENE OR 1-OCTENE OR 1-NONENE) /CN  
L19 6 SEA (FORMALDEHYDE OR ACETALDEHYDE OR BUTYRALDEHYDE OR  
ISOBUTYRA  
LDEHYDE OR NONANAL OR BENZALDEHYDE) /CN

FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, CAPLUS, AGRICOLA, BIOBUSINESS,  
BIOCOMMERCE, BIOTECHNO, CABA, CBNB, CIN, CONFSCI, CROPB, CROPU,  
ESBIOBASE, FOMAD, FOREGE, FROSTI, FSTA, GENBANK, IFIPAT, INVESTTEXT,  
LIFESCI, NAPRALERT, NTIS, PASCAL, PHIC, PHIN, ...' ENTERED AT 14:35:22  
ON  
08 NOV 2001

FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, CAPLUS, AGRICOLA, BIOBUSINESS,  
BIOCOMMERCE, BIOTECHNO, CABA, CBNB, CIN, CONFSCI, CROPB, CROPU,  
ESBIOBASE, FOMAD, FOREGE, FROSTI, FSTA, GENBANK, IFIPAT, INVESTTEXT,

LIFESCI, NAPRALERT, NTIS, PASCAL, PHIC, PHIN, ...' ENTERED AT 14:36:02  
ON 08 NOV 2001

L20 796302 SEA (LACTIC OR GLYCOLIC OR THIOLACTIC OR TARTARIC OR LACTATE OR GLYCOLATE OR THIOLACTATE OR TARTARATE) OR L7

L21 521608 SEA ACETONE OR BUTANONE OR PENTANONE OR HEXANONE OR HEPTANONE OR PENTANONE OR HEXANONE OR HEPTANONE OR HEPTANONE OR NONANONE OR METHYL (A) BUTANONE OR METHYLBUTANONE METHYL (A) PENTANONE OR METHYLPENTANONE OR BUTEN (A) ONE OR BUTENONE

L22 594928 SEA L21 OR HYDROXY (A) BUTANONE HYDROXYBUTANONE OR BUTANEDIONE OR BUTANE (A) DIONE OR PENTANEDIONE OR PENTANE (A) DIONE OR L9

L23 1728215 SEA METHANOL OR ETHANOL OR 1-OCTEN-3-OL OR 1-HEPTEN-3-OL OR METHYL ALCOHOL OR ETHYL ALCOHOL OR OCTEN (A) OL OR OCTENOL OR HEPTENOL OR HEPTEN (A) OL OR L10

L24 522975 SEA (METHYLENE CHLORIDE OR CHLOROFORM OR CARBON TETRACHLORIDE OR BROMOFORM OR METHYLENECHLORIDE OR CARBONTETRACHLORIDE OR L11)

L25 486256 SEA ACETONITRILE OR BENZONITRILE OR PHENYLACETONITRILE OR NITRILE OR NITRILES OR L13

L26 130960 SEA DIETHYL ETHER OR DIETHYLETHER OR L14

L27 1280403 SEA CRESOL OR BENZONITRILE OR PHENOL OR TOLUENE OR L15

L28 239569 SEA (CARBON OR DIMETHYL OR DIETHYL OR METHYLPROPYL OR METHYL PROPYL OR ETHYLVINYL OR ETHYL VINYL) (A) (SULFIDE OR DISULFIDE OR SULPHIDE OR DISULPHIDE) OR DIMETHYL (A) (SULFOXIDE OR TRISULFIDE OR SULPHOXIDE OR TRISULPHIDE) OR L16

L29 6441 SEA 2-METHYLFURAN OR METHYL (A) FURAN OR METHYLFURAN OR L17

L30 150200 SEA ISOPRENE OR HEPTENE OR OCTENE OR NONENE OR L18

L31 599533 SEA FORMALDEHYDE OR ACETALDEHYDE OR BUTYRALDEHYDE OR ISOBUTYRAL DEHYDE OR NONANAL OR BENZALDEHYDE OR L19

L32 897320 SEA CARBON DIOXIDE/CN OR CARBON DIOXIDE

L\*\*\* DEL 10866 S L20 AND L21 AND L28

L\*\*\* DEL 1974 S L20 AND L21 AND L28 AND L32

L\*\*\* DEL 1407 S (L20 AND (LACTATE OR LACTIC) AND (L21 AND ACETONE) AND (L28 AND DIMETHYL (A) (SULFIDE OR DISULFIDE OR SULPHIDE OR DISULPHIDE) OR DIMETHYLSULFIDE OR DIMETHYLSULPHIDE)) AND (MOSQUITOE OR MOSQUITOES OR REPELLANT OR REPELLANTS)  
D  
D KWIC

L33 10 SEA (L20 AND (LACTATE OR LACTIC) AND (L21 AND ACETONE) AND (L28 AND DIMETHYL (A) (SULFIDE OR DISULFIDE OR SULPHIDE OR DISULPHIDE) OR DIMETHYLSULFIDE OR DIMETHYLSULPHIDE)) AND (MOSQUITOE OR MOSQUITOES OR REPELLANT OR REPELLANTS)  
D 1-10  
D 3 IALL

=> s (l20 and (lactate or lactic) and (l21 and acetone) and (l28 and dimethyl (a) (sulfide or disulfide or sulphide or disulphide) or dimethylsulfide or dimethylsulphide)) and (mosquitoe or mosquitoes or attract or attracts or attractant or attractants)

13 FILES SEARCHED...

95% OF LIMIT FOR L#S REACHED

30 FILES SEARCHED...

46 FILES SEARCHED...

59 FILES SEARCHED...

L33            29 (L20 AND (LACTATE OR LACTIC) AND (L21 AND ACETONE) AND (L28  
AND DIMETHYL (A) (SULFIDE OR DISULFIDE OR SULPHIDE OR  
DISULPHIDE  
) OR DIMETHYLSULFIDE OR DIMETHYLSULPHIDE)) AND (MOSQUITOE OR  
MOSQUITOES OR ATTRACT OR ATTRACTS OR ATTRACTANT OR  
ATTRACTANTS)

=> s (l20 and (lactate or lactic) and (l21 and acetone) and (l28 and dimethyl  
(a) (sulfide or disulfide or sulphide or disulphide) or dimethylsulfide or  
dimethylsulphide)) and (l32 or carbon dioxide)  
9 FILES SEARCHED...  
21 FILES SEARCHED...  
95% OF LIMIT FOR L#S REACHED  
32 FILES SEARCHED...  
48 FILES SEARCHED...  
63 FILES SEARCHED...  
L33 258 (L20 AND (LACTATE OR LACTIC) AND (L21 AND ACETONE) AND (L28  
AND DIMETHYL (A) (SULFIDE OR DISULFIDE OR SULPHIDE OR  
DISULPHIDE  
) OR DIMETHYLSULFIDE OR DIMETHYLSULPHIDE)) AND (L32 OR CARBON  
DIOXIDE)